

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 09088765  
PUBLICATION DATE : 31-03-97

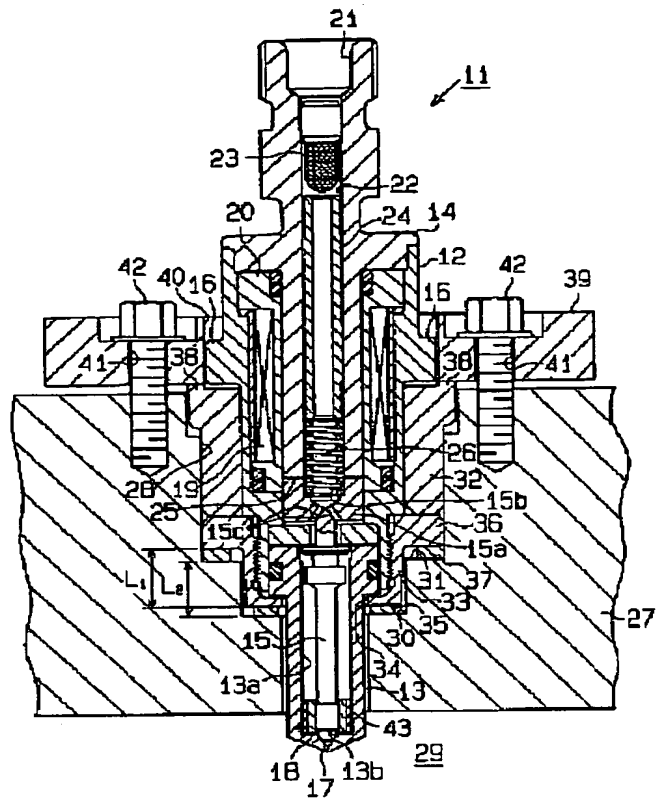
APPLICATION DATE : 27-09-95  
APPLICATION NUMBER : 07249881

APPLICANT : TOYOTA MOTOR CORP;

INVENTOR : OGAWA MINORU;

INT.CL. : F02M 61/14 F02M 51/06

TITLE : MOUNTING STRUCTURE OF FUEL  
INJECTION VALVE OF INTERNAL  
COMBUSTION ENGINE



ABSTRACT : PROBLEM TO BE SOLVED: To prevent change of a fuel injection characteristic of a fuel injection valve due to mounting structure of the same valve.

SOLUTION: An mounting hole 28 opened to a combustion chamber 29 of an engine and having a first stage part 30 and a second stage part 31 is formed on a cylinder head 27. A fuel injection valve 11 has a case 12 and a nozzle 13. A retaining nut 33 having an mounting flange 36 is screwed on an outer peripheral part of the case 12. The case 12 and the nozzle 13 are inserted into the mounting hole 28. A seal washer 37 is arranged between the second stage part 31 and the installation flange. A fixing member is fixed on the cylinder head 27 by a bolt 42, and the mounting flange 36 is pressurized and fixed between the seal washer 37 and a pressurized part 32 by fastening force of the bolt 42.

COPYRIGHT: (C)1997,JPO